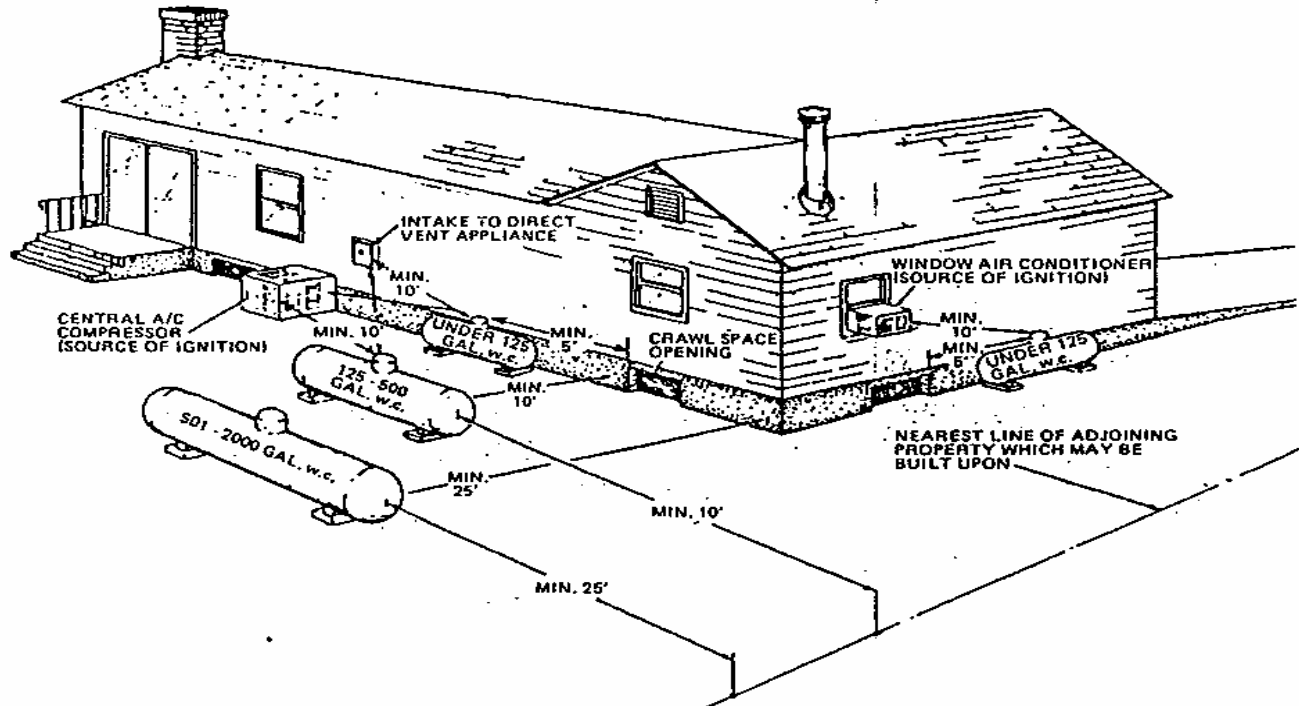




LPG TANKS



ABOVEGROUND ASME LISTED TANKS

(This figure is for illustrative purpose only. Text shall govern.)

TANK LOCATION AND INSTALLATION

(Subject to approval of the local Fire District.)

- A) **Regardless of its size**, any ASME tank filled on-site must be located such that the filling connection and fixed liquid level gauge are at least 10' from any external source of ignition (ie: electrical service, open flame, furnace, A/C compressor, ect.) intake to a direct vented gas appliance or intake to a mechanical ventilation system.
- B) The capacity of LPG tanks is based on water volume in gallons.
- C) Tanks up to 125 gallons shall be at least 5' from buildings and property lines. Tanks of this size may be located adjacent to the building it serves under certain conditions as shown in the detail with approval of the local fire district,
- D) Tanks of 126 to 500 gallons shall be at least 10' from buildings and property lines.
- E) Tanks of 501 to 2000 gallons shall be at least 25' from buildings and property lines.
- F) A single tank not exceeding 1,200 gallons may be 10' from buildings and property lines provided there are not other tanks within 25'.
- G) For installations above 5000' elevation installation shall be as prescribed by the local Fire District.

UNDERGROUND TANKS

- A) Underground LPG tanks are inspected, and approved by the local fire district having jurisdiction prior to building final.

INSTALLATION OF EXTERIOR GAS PIPING

MATERIAL:

- a) Gas piping which is above grade may be wrought iron, steel (black or galvanized) yellow brass or internally tinned copper.
- b) Under ground gas piping may be plastic (PE) rated for use with gas, or factory coated steel pipe.
- c) Gas piping must be new or previously used for gas only.

TRENCHING:

- a) The minimum cover shall be 18" below finish grade.
- b) Field applied wrapping shall be limited to short sections which have been stripped for threading purposes and field joints. Spirally wrap as listed, minimum 10 mil tape to a 40 mil thickness 6" beyond the joints.
- c) Underground plastic piping must have a tracer wire (minimum 14 AWG) or tape for its full length, one end shall be brought above ground at building wall or riser. Plastic pipe may terminate above ground where an anodeless riser is used. (UPC § 1211.1.7)

TESTING:

- a) Testing shall be done with pressurized air, nitrogen, carbon dioxide or inert gas. OXYGEN SHALL NEVER BE USED.
- b) Test pressure to be used shall be no less than 1 1/2 the proposed maximum working pressure, but not less than 3 psi. for a minimum 10 minutes. Gages to have a range not greater than 5 times the test pressure. (UPC § 1214.3) Refer to code section for exact wording.